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Memo to File

Phone call to Caspersson at Färber's laboratory in Boston, April 19, 1961.

Caspersson is returning to Stockholm on the 21st in any case, and our change of plans in fact did not inconvenience him.

He will be in Stockholm throughout all of August and does not plan to go to the Moscow meetings, but will be back in the states about the early or middle of September for a U.N. radiation meeting. He is also on the program for the New York Academy of Sciences for October 5.<sup>1</sup>

We discussed the desirability of having readings below 250 nm, and indicated that this would be difficult, but perhaps still possible. He remarked that the lenses are not altogether so good at lower wave lengths.

We also discussed spectrograms as intermediary, but it turns out that he has not operated in quite the fashion we have in mind. He has of course made frequent use of pictures at a series of different wave lengths. He indicated the possibility of difficulties in view of the varying gamma of the photographic motion at different wave lengths. However, this is something that probably can be rectified, but photographic stability may be a difficult thing to achieve.

We also discussed the similarity of absorption spectra of cerium and lanthanum. He himself had recalled cerium but indicated that lanthanum in solution was quite transparent through the region of interest. The crystals, as Jane Sanders has found some reports of, might of course, be quite different.

He's quite anxious to have samples from us for further study, and I promised that these would be forthcoming. He will also be pleased to see Dr. Levinthal on his visit.

APR 20 1961